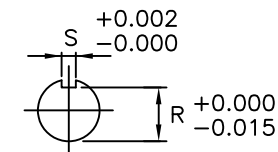
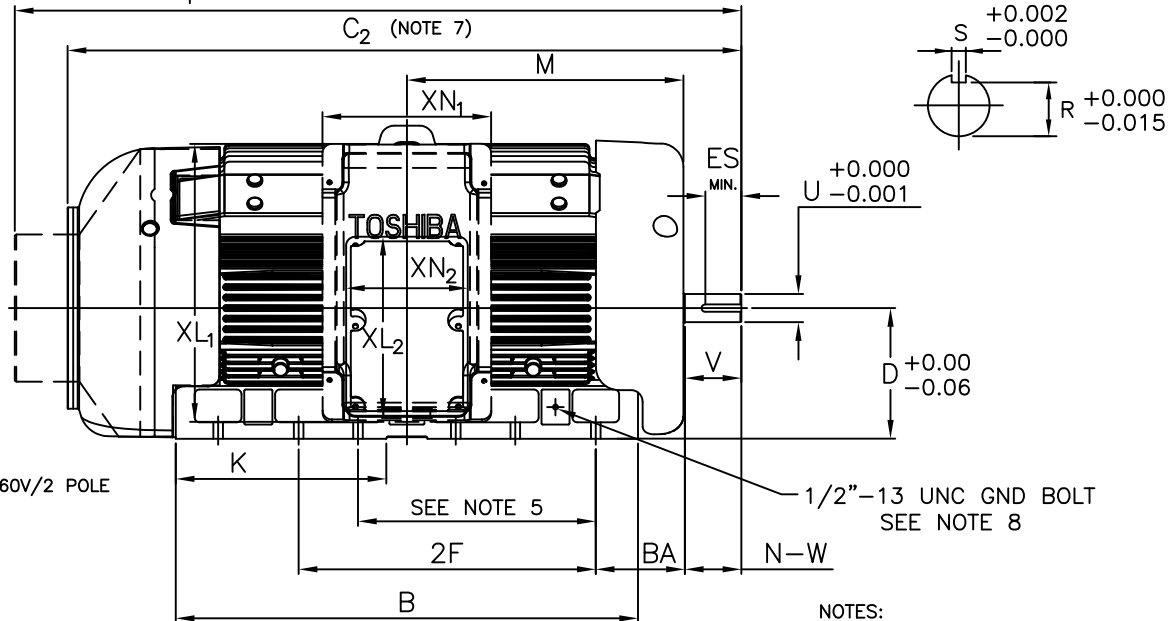


C₁ FOR 400HP/350HP - 2 POLES (NOTE 6)



UNITS: INCHES

| FRAME SIZE | MOTOR DIMENSIONS | | | | | | | | | | | |
|---------------|------------------|------|----------------|----------------|-------|-----|-----|------|------|------|------|-----|
| | A | B | C ₁ | C ₂ | D | G | J | K | M | O | P | T |
| B447TS/B449TS | 22.0 | 38.9 | 61.1 | 56.7 | 11.00 | 1.4 | 4.5 | 17.7 | 23.3 | 25.1 | 27.9 | 1.3 |

| FRAME SIZE | CONDUIT BOX | | | | | | | | | | | |
|---------------|-------------|-----------------|-----------------|-----------------|-----------------|-------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| | AA[NPT] | AB ₁ | AB ₂ | AC ₁ | AC ₂ | AE | AF ₁ | AF ₂ | XL ₁ | XL ₂ | XN ₁ | XN ₂ |
| B447TS/B449TS | 4.00 | 29.8 | 23.8 | 22.4 | 19.6 | 11.00 | 9.6 | 9.1 | 23.4 | 15.2 | 14.2 | 10.2 |

| FRAME SIZE | MOUNTING | | | | SHAFT EXTENSION | | | KEY SEAT | | | BEARINGS | | MAXIMUM WEIGHT |
|---------------|----------|-------------|------|------|-----------------|------|-------|----------|-------|------|----------|--------|----------------|
| | E | 2F | H | BA | N-W | V | U | R | S | ES | LS | OS | |
| B447TS/B449TS | 9.00 | 20.00/25.00 | 0.81 | 7.50 | 4.75 | 4.50 | 2.375 | 2.021 | 0.625 | 3.03 | 6313C3 | 6313C3 | 4000 lbs. |

NOTES:

- DIMENSION V REPRESENTS LENGTH OF STRAIGHT PART OF SHAFT
- MAIN CONDUIT BOX MAY BE ROTATED IN 90° INCREMENTS
- KEY DIMENSIONS EQUAL S x S x 3.00 (MOTOR SUPPLIED WITH KEY).
- MOTOR WEIGHT SHOWN IS MAXIMUM HORSEPOWER IN FRAME.
- THIS DIMENSION EQUALS 2F FOR B447T MOUNTING.
- 400HP/350HP 2 POLE STANDARD PRODUCT USE UNI-DIRECTIONAL FAN. OPPOSITE ROTATION AVAILABLE ONLY BY FAN AND CONNECTION CHANGE.
- 300HP/250HP 2 POLE STANDARD PRODUCT USE BI-DIRECTIONAL FAN. OPPOSITE ROTATION AVAILABLE BY CONNECTION CHANGE.
- FRAME GROUND BOLT STANDARD ON 841 PRODUCT.

CUSTOMER: _____ MOTOR MODEL NO.: _____

P.O. NO.: _____ HP: _____ VOLTAGE: _____ RPM(SYN.): _____ Hz: _____

FRAME SIZE: _____ PRODUCT TYPE: TEFC EQP III SD & 841

COMMENTS: _____

PER: _____ DATE: _____

TAG NO's: _____

| | |
|-------------------------------------|--------------------------|
| <input checked="" type="checkbox"/> | STANDARD (NO AUX. BOXES) |
| <input type="checkbox"/> | RTD AUX. BOX |
| <input type="checkbox"/> | SPACE HEATER AUX. BOX |
| <input type="checkbox"/> | BEARING RTD's |

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TOSHIBA

TOSHIBA INTERNATIONAL CORPORATION

TOTALLY-ENCLOSED FAN-COOLED
HORIZONTAL FOOT-MOUNTED
3 PHASE INDUCTION MOTOR
F1 ASSEMBLY

XT SERIES

VISIT OUR WEBSITE AT:
www.toshiba.com/ind

TYPICAL MOTOR PERFORMANCE DATA

Model: 4003SDSB41B

| | | | | | | | | |
|-----------|-----|------------|--------|--------|----------------|-------------|----------|--------------|
| HP | kW | Pole | FL RPM | Frame | Voltage | Hz | Phase | FL Amps |
| 400 | 298 | 2 | 3580 | B449TS | 460 | 60 | 3 | 435 |
| Enclosure | IP | Ins. Class | S.F. | Duty | NEMA Nom. Eff. | NEMA Design | kVA Code | Ambient (°C) |
| TEFC | 54 | F | 1.15 | CONT | 95.8 | A | | 40 C |

| Load | HP | kW | Amperes | Efficiency (%) | Power Factor (%) |
|--------------|--------|-------|---------|----------------|------------------|
| Full Load | 400.00 | 298.3 | 435 | 96.0 | 89.6 |
| ¾ Load | 300.00 | 223.7 | 332 | 95.2 | 88.7 |
| ½ Load | 200.00 | 149.1 | 235 | 93.3 | 85.1 |
| ¼ Load | 100.00 | 74.6 | 149 | 87.6 | 71.5 |
| No Load | | | 103.3 | | 5.8 |
| Locked Rotor | | | 2974 | | 22.6 |

| Torque | | | | Rotor wk ² Inertia (lb-ft ²) |
|----------------------|-------------------------|--------------------|-----------------------|---|
| Full Load (lb-ft) | Locked Rotor (% FLT) | Pull Up (% FLT) | Break Down (% FLT) | |
| 587 | 155 | 105 | 235 | 147.43 |

| Safe Stall Time(s) | | Sound Pressure dB(A) @ 1M | Bearings* | | Approx. Motor Weight (lbs) |
|--------------------|-----|------------------------------|-----------|--------|-------------------------------|
| Cold | Hot | | DE | NDE | |
| 35 | 15 | 85 | 6313C3 | 6313C3 | |

*Bearings are the only recommended spare part(s).

Motor Options:
Product Family:EQP Global SD
Mounting:Footed,Shaft:TS Shaft

| | |
|-------------|--|
| Customer | |
| Customer PO | |
| Sales Order | |
| Project # | |

Tag:

All characteristics are average expected values.

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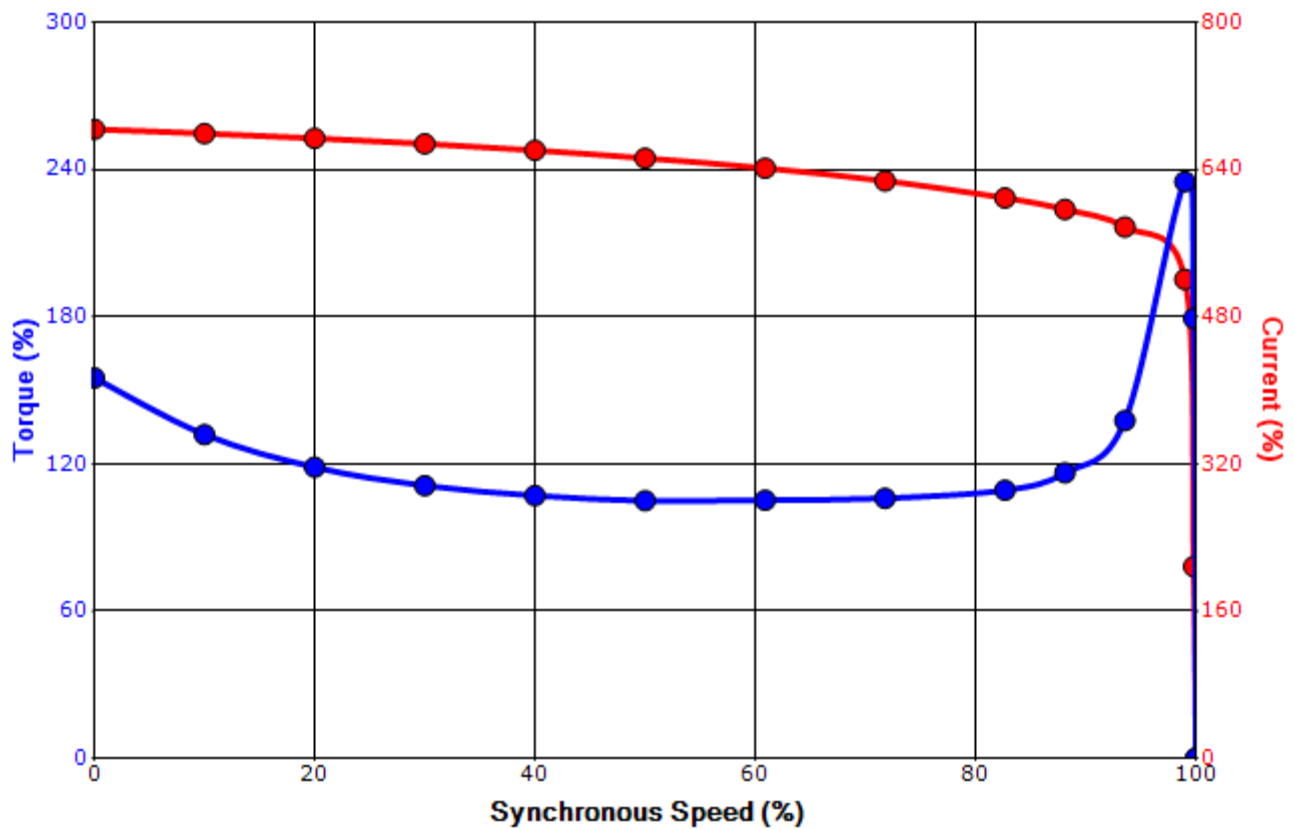
| | | | | | |
|-------------|-----------|------------------|-------------|-------------|---------------|
| Engineering | SSuryani | Doc. Written By | D. Suarez | Doc.# / Rev | MPCF-1119 / 0 |
| Engr. Date | 4/13/2020 | Doc. Approved By | M. Campbell | Doc. Issued | 6/8/2011 |

SPEED TORQUE/CURRENT CURVE

Model: 4003SDSB41B

| | | | | | | | | |
|-------------------|---|-------------------|------------------|-------------|----------------|-------------|----------|----------------|
| HP | kW | Pole | FL RPM | Frame | Voltage | Hz | Phase | FL Amps |
| 400 | 298 | 2 | 3580 | B449TS | 460 | 60 | 3 | 435 |
| Enclosure | IP | Ins. Class | S.F. | Duty | NEMA Nom. Eff. | NEMA Design | kVA Code | Ambient (°C) |
| TEFC | 54 | F | 1.15 | CONT | 95.8 | A | | 40 C |
| Locked Rotor Amps | Rotor wk ² Inertia (lb-ft ²) | Torque | | | | | | Break Down (%) |
| | | Full Load (lb-ft) | Locked Rotor (%) | Pull Up (%) | | | | |
| 2974 | 147.43 | 587 | 155 | 105 | | | 235 | |

Design Values



| | | | |
|-------------|--|--|-----|
| Customer | | wk ² Load Inertia (lb-ft ²) | - |
| Customer PO | | Load Type | - |
| Sales Order | | Voltage (%) | 100 |
| Project # | | Accel. Time | - |

Tag:

All characteristics are average expected values.

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| | | | | | |
|-------------|-----------|------------------|-------------|-------------|---------------|
| Engineering | SSuryani | Doc. Written By | D. Suarez | Doc.# / Rev | MPCF-1121 / 0 |
| Engr. Date | 4/13/2020 | Doc. Approved By | M. Campbell | Doc. Issued | 6/8/2011 |

Motor Connection Diagrams
6 Leads

Across the Line Starting / Run - Delta:



Alternate Starting Connection - Wye:



Switch L1 and L2 to reverse rotation